

Date: Thu, 1 Jul 93 20:35:49 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #810  
To: Info-Hams

Info-Hams Digest                      Thu, 1 Jul 93                      Volume 93 : Issue 810

Today's Topics:

                                6m work  
                                Another radio in the movie  
        Any opinions on Icom W21-AT, especially audio? (2 msgs)  
                                Closed Autopatches (2 msgs)  
        Daily Solar Geophysical Data Broadcast for 01 July  
                                FCC....How long?  
                                Field Day  
                                FOR SALE Kenwood TS-820s  
                                ICOM W2A  
                                Poster of the frequency spectrum  
                                Questions about wire.  
        Waiting for a License? Don't Call the FCC!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 1 Jul 93 21:12:51 GMT  
From: att-out!cbfsb!cbnewsf.cb.att.com!5trtrtrt@RUTGERS.EDU  
Subject: 6m work  
To: info-hams@ucsd.edu

In article <23JUN199311022545@nssdca.gsfc.nasa.gov>, stocker@nssdca.gsfc.nasa.gov  
(ERICH FRANZ STOCKER) writes:

>  
> any advice on the best way to get equipment to try out the band without  
> plunking down a bunch of money. Lastly, any info that people would care to  
> pass on personal experience with antennas for the band especially good luck

> with homebrew or less expensive antennas.

>

Before plunking down the large amount of money for a complete rig you might want to get just a receiving converter to listen around with. You can listen with a wire dipole and easily copy the band openings (E skip).

Of course if you decide you like the band then what use is the converter?

Rick

-----  
Date: Fri, 2 Jul 1993 00:03:27 GMT  
From: tarpit!gator!tous!jwt!ksj@uunet.uu.net  
Subject: Another radio in the movie  
To: info-hams@ucsd.edu

cfm1471@ucs.usl.edu (Morrison Charles F) writes:

> Catch the glance of the Kenwood 742A in the Feds car outside the truckstop  
> about 3/4's of the way through the movie.

Might be easier if you told us what movie you're talking about. :)

Scott

-----  
Date: Fri, 02 Jul 1993 01:32:23 GMT  
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!neoucom.edu!  
wtm@network.UCSD.EDU  
Subject: Any opinions on Icom W21-AT, especially audio?  
To: info-hams@ucsd.edu

In article <20pmg2INN2i1@topaz.bds.com> ron@topaz.bds.com (Ron Natalie) writes:  
>to pay... :-) I've tested the mike on a couple of different Yaesu's,  
>ICOM's, and Kenwood HT's and it's worked in each one (though oddly  
>the ICOM speaker mike won't key the FT470).  
>  
>-Ron

I think it might be the value of the resistor that keys the unit when you press the PTT switch. I think Icom uses about 33K resistor. Yaesu uses about a 4.7K resistor. If one wanted to use an Icom mike on a Yaesu, probably all one would need do is to change the resistor. I think this issue comes up every now and

again with packet modem interface cables and Icom/Yaesu HTs.

Bill

--

Bill Mayhew           NEOUCOM Computer Services Department  
Rootstown, OH 44272-9995 USA       phone: 216-325-2511  
wtm@uhura.neoucom.edu     amateur radio 146.58: N8WED/AA

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Date: Fri, 02 Jul 1993 01:27:50 GMT  
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!neoucom.edu!  
wtm@network.UCSD.EDU  
Subject: Any opinions on Icom W21-AT, especially audio?  
To: info-hams@ucsd.edu

My experience with the IC-W2A is that the speaker is about the size of a US nickle. It is amazing it puts out as much sound as it does. I've found that it is pretty difficult to hear my W2 hanging from my belt in a noisy environment. .. The lapel mike is definitely a good idea on the W2. I haven't had a chance to use the W21, but if the speaker is like the W2, then weak audio isn't a surprise. The W2 is a wonderfully feature-rich unit otherwise. The main annoyance I have with the W2 is the lack of half-duplex crossband; it is always full-duplex.

I also have an IC-24AT. If you don't need simultaneous dual-band receive the 24 is a very nice unit. The 24 speaker is about the size of a US quarter. The audio is pretty good.

I've also had the chance to use a Yaesu 530 for a while. The 530 audio is somewhere in between the W2 and the 24. If I were purchasing over again, I'd be tempted to get a 530. The 530, factory-modified to quell the spurious pick-up is a very nice unit. Sensitivity (qualitatively, not analytically, measured) is a little reduced on the modified unit, but does not significantly impair the functionality of the 530. The 530 still has a quite sensitive front end. Yaesu is willing to provide a better antenna than the so-named rubber resistor that comes with the unit. With the antenna upgrade, it is a great HT.

I am not familiar with the newer Standard HTs. The older Standard HTs had loads of audio and good sensitivity. The ability to clone one HT's programming from another unit over the air via DTMF is a great feature.

--

Bill Mayhew           NEOUCOM Computer Services Department  
Rootstown, OH 44272-9995 USA       phone: 216-325-2511  
wtm@uhura.neoucom.edu     amateur radio 146.58: N8WED/AA

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Date: Thu, 1 Jul 1993 22:04:55 GMT  
From: swrinde!gatech!howland.reston.ans.net!darwin.sura.net!  
gatekeeper.es.dupont.com!esds01.es.dupont.com!  
COLLINST%esvx19.es.dupont.com@network.UCSD.EDU  
Subject: Closed Autopatches  
To: info-hams@ucsd.edu

In article <1993Jul1.153504.26849@linus.mitre.org>, m14494@mwvm.mitre.org (Mike White) writes:

>Conway Yee writes:  
>> I have a question regarding the FCC regulations concerning closed  
>> autopatches.  
>  
>Repeaters and autopatches are private property, owned  
>and operated by individuals or groups. You cannot compel  
>or require them to allow you to use their equipment. Also,  
>they get to set the rules for use, including providing a license  
>copy, or standing on your head and whistling Dixie if that's

Get a Tone/PL decoder and use the repeater as you wish. No amateur owns 'any' frequency. I have a DJ-160T and regularly use phone patches/repeaters in my travels without one person saying anything about it.

If I use any on a more than 1x/week basis, then I'll join and pay reasonable fees to do so.

73, Tom WI3P collinst@esvax.dnet.dupont.com or collinst@holonet.net  
\*\*\*\*\* The comments, opinions, belief, sentiment, views & scribblings \*\*\*\*\*  
\*\*\*\*\* above this signature are mine, and mine alone. They do not \*\*\*\*\*  
\*\*\*\*\* reflect the E.I. DuPont de Nemours Co., Inc., its subsidiaries \*\*\*\*\*  
\*\*\*\*\* and/or its partners nor its employees or shareholders. \*\*\*\*\*

-----  
Date: Fri, 2 Jul 1993 00:01:54 GMT  
From: tarpit!gator!tous!jwt!ksj@uunet.uu.net  
Subject: Closed Autopatches

To: info-hams@ucsd.edu

yee@mipgsun.mipg.upenn.edu (Conway Yee) writes:

> Since there is no need for them to have a copy of my license on file,  
> I feel that the requirement is unjust and I refused to submit it.

Conway, why are you so opposed to the club having a copy of your license?  
What are you afraid of? There's no personal information on the license  
that would seem to require confidentiality...

Scott

-----  
Date: 2 Jul 93 02:23:10 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 01 July  
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 182, 07/01/93  
10.7 FLUX=108.1 90-AVG=112 SSN=102 BKI=3433 3334 BAI=018  
BGND-XRAY=B2.2 FLU1=3.5E+05 FLU10=1.3E+04 PKI=3444 4334 PAI=021  
BOU-DEV=033,045,033,035,035,031,021,050 DEV-AVG=035 NT SWF=00:000  
XRAY-MAX= C2.1 @ 0050UT XRAY-MIN= B1.9 @ 1955UT XRAY-AVG= B3.1  
NEUTN-MAX= +003% @ 1445UT NEUTN-MIN= -003% @ 2330UT NEUTN-AVG= -0.4%  
PCA-MAX= +0.0DB @ 2100UT PCA-MIN= -0.2DB @ 1520UT PCA-AVG= -0.0DB  
BOUTF-MAX=55372NT @ 0531UT BOUTF-MIN=55307NT @ 1908UT BOUTF-AVG=55350NT  
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+069,+000,+000  
GOES6-MAX=P:+138NT@ 1556UT GOES6-MIN=N:-125NT@ 0429UT G6-AVG=+093,-024,-066  
FLUXFCST=STD:105,105,100;SESC:105,105,100 BAI/PAI-FCST=020,015,015/015,012,010  
KFCST=4454 4332 3344 3332 27DAY-AP=048,039 27DAY-KP=4466 4455 6655 4343  
WARNINGS=\*SWF;\*MAJFLR;\*PROTON;\*AURMIDWCH;\*GSTRM  
ALERTS=  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 30 JUN 93 was 90.3.  
The Full Kp Indices for 30 JUN 93 are: 3o 2+ 3o 2- 2o 3o 2+ 3-

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Date: Thu, 1 Jul 1993 23:14:59 GMT  
From: swrinde!elroy.jpl.nasa.gov!usc!math.ohio-state.edu!wupost!csus.edu!  
netcom.com!wa2ise@network.UCSD.EDU  
Subject: FCC....How long?  
To: info-hams@ucsd.edu

In article <4611@hwpwala.wal.hp.com> joes@hwpwarbz.wal.hp.com writes:  
>I sent in my license renewal form about a month ago. I realize that one month

>isn't very long by FCC standards, but I wonder what people's experience has  
>been on this. Since I have no way of confirming that they received my  
>application for renewal I'd like to know how long a wait is typical.

I would have mailed the renewal by (I think it's called) return mail confirmation. It's a little post card the guy at the post office sticks on the back of your envelope after you fill out your return address and some other stuff. A week or two later you should get the card back indicating that the addressee actually received your letter. Doesn't prove what was in your letter, just that they got it. costs about \$2 plus postage of the letter.

-----  
Date: 1 Jul 1993 20:56:41 -0500  
From: usc!cs.utexas.edu!gerald@cc.utexas.edu!emx.cc.utexas.edu!not-for-mail@network.UCSD.EDU  
Subject: Field Day  
To: info-hams@ucsd.edu

chuck@eng.umd.edu (Chuck Harris - WA3UQV) says:

>In article <C9I3I9.1vL@odin.corp.sgi.com> adams@chuck.dallas.sgi.com (Charles Adams) writes:

...

>>on cw, send your entire call during the contest.

>Yeh, but what if your call is: WA3UQV? It takes about a week to send my call on CW.

Then you upgrade! (in general - I realize that you are least Advanced). Never never never send pieces of your call unless some misguided person whom you want to work specifically asks you to do it. If I am trying to work a new country and the operator wants people to give their calls backwards I'll do it, but not otherwise.

One thing I had forgotten that people do a lot in FD (cw) is reply to "CQ FD de W1ABC" with "W1ABC de W9XYZ" or even "W1ABC W1ABC de W9XYZ", as against just sending "W9XYZ". In DX (and other domestic) contests people just send their call once and that's it. Sending the other station's call as well slows down the FD rate even more than people using long callsigns on CW.

I charitably put this down to people who are new to contesting, and in many cases new to operating on the HF bands - FD is a good time to get your first quasi-contest experience, and it's forgivable in this case. In fact, it's been heartwarming to see so many people posting to the effect that this was their first time on the air, or first time working

someone outside their own state (or country). In some cases they were almost forced to operate, in the club environment, and loved it once they tried it. So perhaps this Elmering is one of the best things to happen in FD. Many of you must have seen the rather amazing statistics about Novice attrition, in the latest QST. Surprised even an old cynic like me.

Derek "UP LID" Wills (AA5BT, G3NMX)  
Department of Astronomy, University of Texas,  
Austin TX 78712. (512-471-1392)  
oo7@astro.as.utexas.edu

-----  
Date: 2 Jul 93 01:29:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: FOR SALE Kenwood TS-820s  
To: info-hams@ucsd.edu

Excellant cond. With manuals. \$450.00

\*\*\*\*\*  
Joseph R. Miller  
Batavia, NY  
MCI Mail: 500-7943  
Internet: 5007943@mcimail.com  
Phone: 716-343-8258  
\*\*\*\*\*

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Date: Thu, 1 Jul 1993 23:14:08 GMT  
From: usc!wupost!csus.edu!netcom.com!feustel@network.UCSD.EDU  
Subject: ICOM W2A  
To: info-hams@ucsd.edu

joehol@microsoft.com (Joseph Holman) writes:

>I'm looking for information about the W2A, regarding:

- > o the key sequence to get the "extended RX coverage"
- > o what frequencies really work with the extra coverage

See the 73(?) Article on the W2A a couple of months ago that showed w2a sensitivity vs frequency.

--

Dave Feustel N9MYI <feustel@netcom.com>

FREE! FREE!!! THANK GOD ALMIGHTY! FREE AT LAST!

-----  
Date: 1 Jul 93 18:24:26 GMT  
From: usc!hacgate!lyra!robinson@network.UCSD.EDU  
Subject: Poster of the frequency spectrum  
To: info-hams@ucsd.edu

I use the band allocation page from QST Jan.89 pp77.  
73, Mike kd6wdd

-----  
Date: Thu, 1 Jul 1993 23:03:21 GMT  
From: news.cerf.net!pagesat!spssig.spss.com!feenix.metronet.com!  
marcbg@network.UCSD.EDU  
Subject: Questions about wire.  
To: info-hams@ucsd.edu

In article <66NX6B1w165w@jackatak.raider.net> martinbw@jackatak.raider.net (Bruce Martin) writes:

>I am trying to find some wire to power the radios and other equipment in  
>my car. What I am looking for has 2 stranded conductors with a black and  
>red insulation so that I only have to deal with one wire as I am  
>installing it and I can tell which wire goes where (Red to + and black  
>to - side of the battery) I am looking for this stuff in 12 gauge to  
>handle 15 amps @ ~13.8 volts and in 8 gauge to handle 50 amps+ @~13.8  
>volts. I have looked all over Nashville, TN from Home Depot to Radio  
>Shack to the little electronic Junk store called Javanco (really a nice  
>place to find odd little electronic stuff). I am looking for realativly  
>small amounts of this stuff (20-30 ft.) but any help would be  
>appreciated.

Bruce,

This wire is made, but it is not easy to find. What I usually do is buy  
the #10 or #12 wire from Radio Shack in individual roles. Then I run it  
from the car battery, and I use electrical or duck tape to attach them  
together every ten inches or so. So I essentially get the two wires side  
by side, only I attache them together myself.

One advantage of this method is when the ground is located in a different  
place, it is easier to work with the seperate wires.

--

Marc B. Grant, N5MEI            Internet: marcbg@feenix.metronet.com



P.O. Box 850472                      Telephone: 214-231-3998 (voice)  
Richardson, TX 75085-0472              214-231-0025 (fax)

-----  
Date: Thu, 1 Jul 1993 23:09:53 GMT  
From: news.cerf.net!pagesat!spssig.spss.com!feenix.metronet.com!  
marchbg@network.UCSD.EDU  
Subject: Waiting for a License? Don't Call the FCC!  
To: info-hams@ucsd.edu

Wait a minute!

So it takes 7-10 weeks. What's the big deal? In Germany, for example,  
not only does it take several months to get your ticket, but it costs \$25  
a year.

Be patient.

--  
Marc B. Grant, N5MEI                      Internet: marchbg@feenix.metronet.com  
P.O. Box 850472                      Telephone: 214-231-3998 (voice)  
Richardson, TX 75085-0472              214-231-0025 (fax)

-----  
Date: Thu, 1 Jul 1993 21:56:27 GMT  
From: access.usask.ca!mizar.cc.umanitoba.ca!ummarkma@decwrl.dec.com  
To: info-hams@ucsd.edu

References <1993Jun30.103813@iastate.edu>,  
<1993Jul11.062117.20121@afterlife.ncsc.mil>, <C9I3I9.1vL@odin.corp.sgi.com>xas.ed  
Subject : Dual Band HT opinions

I'm looking at buying a dual band ht. I have found two for good prices:  
the Standard C528A and  
the Icom IC24AT.

I'm looking for opinions, comments, or other thoughts that you might have  
about the above mentioned radios. I'm not considering any others as money  
is the #1 factor here.

Please reply via E-Mail as I don't have time to sort through the newsgroup  
right now.

thanks  
Michael Markmann VE4MJM  
ummarkma@ccu.umanitoba.ca

-----  
Date: 2 Jul 1993 01:24:51 GMT

From: sdd.hp.com!nigel.msen.com!spool.mu.edu!howland.reston.ans.net!math.ohio-state.edu!darwin.sura.net!mojo.eng.umd.edu!chuck@network.UCSD.EDU

To: info-hams@ucsd.edu

References <1993Jun30.103813@iastate.edu>,

<1993Jul1.062117.20121@afterlife.ncsc.mil>, <C9I3I9.1vL@odin.corp.sgi.com>n.sura

Subject : Re: The one black spot on my Field Day (longish)

In article <C9I3I9.1vL@odin.corp.sgi.com> adams@chuck.dallas.sgi.com (Charles Adams) writes:

...

>on cw, send your entire call during the contest. think about the psychology  
>and the physiology - first critter (call letter - say K) sets up the tone  
>and speed for the mind then the automatic phase lock loops sets in and the  
>guy/gal has your call and it's downhill afterward. you already have theirs  
>locked in. tail ending with only the letters may work for dx, but later  
>your going to have to send the ENTIRE call. if you send it the first time  
>i won't ask you for a repeat. don't repeat it unless asked to. once someone

...

Yeh, but what if your call is: WA3UQV?

It takes about a week to send my call on CW. By the time I finish sending it, the target station has almost finished giving some 1x2 his report!

73,

Chuck Harris - WA3UQV (.-. .- ....- ..- ---.- ....-)  
chuck@eng.umd.edu

-----  
Date: Thu, 1 Jul 93 23:15:34 GMT

From: mnemosyne.cs.du.edu!nyx!mwgordon@uunet.uu.net

To: info-hams@ucsd.edu

References <20scrhINN8f5@network.ucsd.edu>, <20sit7\$5nc@dr-pepper.East.Sun.COM>,  
<h5gxzb#f@dixie.com>net

Subject : Re: Repeater coordination, complaints?

In article <h5gxzb#f@dixie.com> jgd@dixie.com (John De Armond) writes:

>Consider our repeater. There is another one  
>barely 100 miles away, fully coordinated, whose link frequency for a  
>remote base is on our INPUT frequency. Did we scream and shout? No.

>Did we get mad? No. We simply installed PL gated squelch on the  
>repeater and we all now live happily ever after. A rarity in the ham  
>world, no?  
>

Was the other station running legal limit on a high tower? I think not! Otherwise it would have mixed and heterodyned with your users. PL is not this magical invention that makes new frequencies. Even an HT without PL encode can heterodyne with a radio sending PL to the input of a repeater that is on PL decode. (sounds horrible, btw)

I've worked with some commercial instalations, and on any 'responsible' (I know how you LOVE that word John) system, the base stations do not have their recieve PL gated (or they have a busy lamp) so that the operator's don't step all over other systems on their freq. Most commercial mobiles also have busy lamps, and turn off the PL decode when the mic is taken of the hook.

>For intereference on the output, the solution is trivial. Put PL on the  
>repeater transmitter. Then any user who doesn't want to hear the other  
>repeater can simply install (or turn on) the PL decoder.

The original poster stated that the other station was running 1.5kw from a high tower, and that it DOES mix with and step on his repeater's output. Telling his users to 'quit crying and put in a PL decode board' is asinine. That WILL NOT help them listen to their repeater clearly. Yes, the PL decode board may be a good investment to keep from hearing the other (abusive) machine, (and intermod) but only when their repeater is not transmitting.

This 'One Big Gun' mentality to wide coverage is flat out wrong. The right way is, of course, to link smaller machines together. Yes, it may be more expensive, require links freqs, etc. etc, but it will keep everyone happy. It will keep your signal from hitting everyone in the continental US during a band opening, and it will ensure that almost everyone who can hear the repeater can talk to it.

"The ARRL, the Federal government, and all state governments should be required to pass all regulations, laws, and practices through a Department of Common Sense." - Mike Gordon N9LOI mwgordon@nyx.cs.du.edu

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Date: 2 Jul 1993 00:43:34 GMT  
From: usc!elroy.jpl.nasa.gov!news.larc.nasa.gov!grissom.larc.nasa.gov!  
kludge@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <C9HxnE.EKD@fc.hp.com>, <1993Jul1.183805.4953@rsg1.er.usgs.gov>,  
<C9IDoH.JJM@feenix.metronet.com>

Subject : Re: Waiting for a License? Don't Call the FCC!

In article <C9IDoH.JJM@feenix.metronet.com> marcbg@feenix.metronet.com (Marc Grant) writes:

>Wait a minute!

>

>So it takes 7-10 weeks. What's the big deal? In Germany, for example,  
>not only does it take several months to get your ticket, but it costs \$25  
>a year.

Hey, in the Phillipines it only takes a half hour, and a \$50 payment to the Minister of Telecommunications. For a few dollars more, you don't even have to take the test.

--scott

--

"C'est un Nagra. C'est suisse, et tres, tres precis."

-----

Date: 1 Jul 1993 23:06:54 GMT

From: nothing.ucsd.edu!brian@network.UCSD.EDU

To: info-hams@ucsd.edu

References <20sami\$594@dr-pepper.East.Sun.COM>, <20scrhINN8f5@network.ucsd.edu>,  
<C9I738.FzE@squam.banyan.com>

Subject : Re: Repeater coordination, complaints?

In article <C9I738.FzE@squam.banyan.com> dts@banyan.com (Daniel Senie) writes:

>Using tonedecode is fine IF the repeater you are near actually can capture your  
>radio. That's not necessarily the case here. Re-use and abuse are separate  
issues.

Yeah, the other "interfering" repeater is 100 miles away, according to the complainant. If your local repeater can't capture out a system a hundred miles away, you have other problems to solve first. PL receive and a beam seem like a good start.

- Brian

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End of Info-Hams Digest V93 #810

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